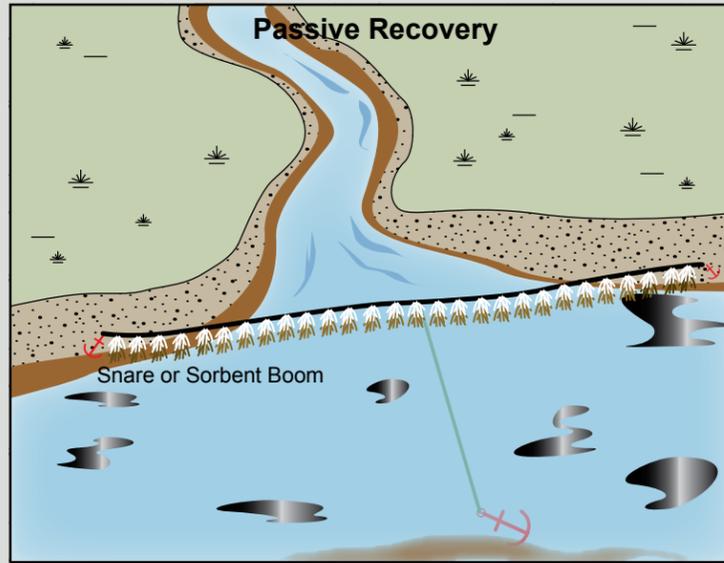


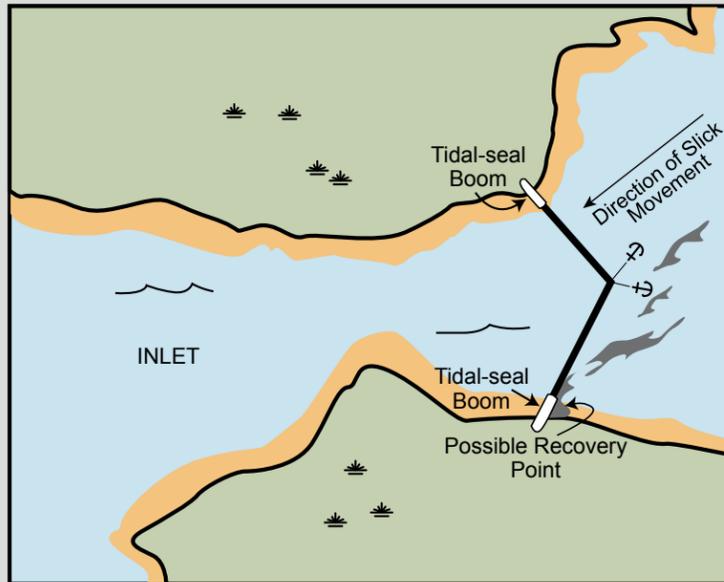
# Arctic Lagoon, NWA-S03

Center of map at 66° 0'25" N Lat., 166° 48'21" W Lon.

## Geographic Response Strategies for Northwest Arctic Subarea, Southern Zone



An example of the *Passive Recovery Tactic*. Actual deployment should be adjusted for local conditions.

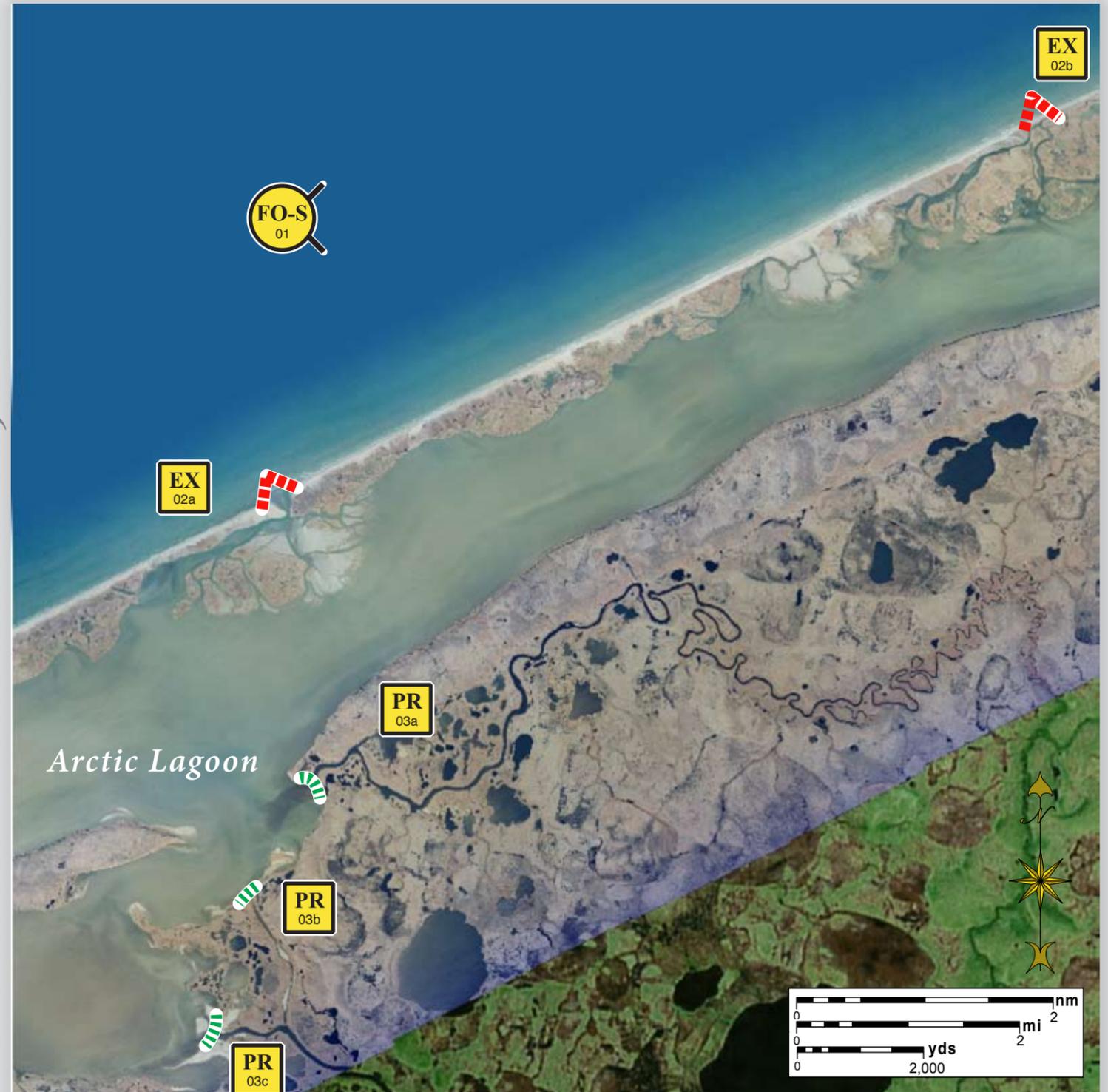


An example of the *Exclusion Booming Tactic*. Actual deployment should be adjusted for local conditions.

**Map Legend**

- Free-oil Recovery
- Passive Recovery
- Exclusion Booming
- Protected-water Boom
- Snare or Sorbent Boom
- Bears in Area, Guards Recommended

Aerial photography of this area is unavailable at this time, but may be included as it becomes available.



This is not intended for navigational use.

ID	Location and Description	Response Strategy	Implementation	Response Resources	Staging Area	Site Access	Resources Protected (months)	Special Considerations
S-03-01 	<b>Arctic Lagoon</b> Nearshore waters in the general area of:  Lat. 66° 04.96 N Lon. 166°51.58 W	<b>Free-oil Recovery</b> Maximize free-oil recovery in the offshore & nearshore environment of Arctic Lagoon depending on spill location and trajectory.	Deploy free-oil recovery strike teams upwind and up current of Arctic Lagoon.  Use aerial surveillance to locate incoming slicks.	Deploy multiple free-oil recovery strike teams as required to maximize interception of oil before it impacts sensitive areas.	Shishmaref	Via marine waters  Chart 16005	Same as S-03-02	Vessel master should have local knowledge.  Use extreme caution, shoal waters with numerous reefs and rocks.
S-03-02 	<b>Arctic Lagoon</b> a. Lat. 66° 02.99 N Lon. 166°48.66 W  b. Lat. 66° 06.93 N Lon. 166°36.14 W	<b>Exclusion</b> Exclude oil from entering and impacting Lopp Lagoon.  Barrier beach may have breached in different locations. Aerial survey recommended prior to deployment. Adjust equipment requirements to reflect additional breaches.	Deploy anchors and boom with skiffs (class 6).  Place protected-water boom in a chevron pattern in front of the entrances to the lagoon. If the sea state does not allow this deployment, move further inside the entrance.  Tend throughout the tide  <u>Boom Length:</u> a. 1000 ft.  b. 300 ft.	<b>Deployment Equipment</b> 1300 ft. protected-water boom 6 ea. anchor systems 8 ea. anchor stakes 2 ea. shore-side collection units <b>Vessels</b> 1 ea. class 3 1 ea. class 6 1 ea. helicopter (for S-03-03, if needed) <b>Personnel/Shift</b> 5 ea. vessel crew 2 ea. response techs <b>Tending Vessels</b> 1 ea. class 3 1 ea. class 6 <b>Personnel/Shift</b> 3 ea. vessel crew 1 ea. response techs	Vessel platform	Via marine waters  Chart 16005	Fish- herring spawning, dolly varden, char, white fish  Birds-waterfowl concentration, seabird concentration  Marine mammals- spotted seal, bearded seal, polar bear  Habitat- marsh, gravel beaches, low lying inundated tundra	Vessel master should have local knowledge.  The lagoons on this coast are interconnected. Consider excluding the channels connecting them if oil enters a lagoon.  Threatened or endangered species/habitat is present or possible in the area. Consult with NOAA and DOI prior to deployment.  FOSC Historic properties specialist should INSPECT site prior to operations.  Site surveyed: Not surveyed  Tested: not yet
S-03-03 	<b>Arctic Lagoon</b> a. Lat. 66° 00.93 N Lon. 166°47.11 W  b. Lat. 66° 00.00 N Lon. 166°47.76 W  c. Lat. 65° 58.89 N Lon. 166°47.91 W	<b>Passive Recovery</b> Use local knowledge and navigation to place passive recovery across the channels of the streams in the Arctic Lagoon.	Place and anchor 400 ft. of snare line or sorbent boom at each location across the channels of streams in Arctic Lagoon.  The lagoon is very shallow and may not accommodate entrance to the lagoon in this location. Unless local knowledge is available to navigate the lagoon, helicopter deployment should be utilized.  Replace as necessary to maximize the recovery.	<b>Deployment Equipment</b> 3000 ft. snare line or sorbent boom 8 ea. anchor systems 4 ea. anchor stakes <b>Vessels/Personnel/Shift/</b> Same as S-03-02 <b>Tending Vessels/Personnel/Shift</b> Same as S-03-02	Vessel platform	Via marine waters  Chart 16005	Same as S-03-02	Vessel master should have local knowledge.  Title 41 permitting required from ADNR.  A population of bears may be present in the area. A bear guard is required during shore operations.  Tested: not yet